

REMARKS AND RESPONSES

Claims 1, 10, 12 and 13 have been amended and claims 2, 3 and 11 have been canceled. Claims 21-25 have been newly added. Support for the amendments is found in the specification and claims as filed. Accordingly, the amendments do not constitute the addition of new matter. Reconsideration of the application in view of the foregoing amendments and following comments is respectfully requested.

Drawings

The reference number 14 corresponding to the stator has been added in the Figure 5. Thus, the objection should be withdrawn.

Specifications

With respect to point 7 of the Office Action, the abstract of the disclosure is objected to because it fails to summarize the invention in full. The abstract of the disclosure has been amended to summarize the invention in full, i.e. to include “the shaft being a heat pipe”.

With respect to point 9 of the Office Action, the disclosure is objected to because of containing informalities.

With respect to point 10 of the Office Action, the disclosure is requested to comply with 35 U.S.C. 112, first paragraph.

The disclosure on paragraphs [0007], [0015], [0016], [0017], [0018], [0019], [0020] and [0023] have been amended to remove informalities and to comply with 35 U.S.C. 112, first paragraph.

Claim Objections

With respect to point 11 of the Office Action, claims 1-3 and 10-14 are

objected to because of containing informalities. As shown in amended claims, all informalities have been eliminated.

Claim Rejection - 35 U.S.C. §112

With respect to point 13 of the Office Action, claims 1-3 and 10-14 are rejected under 35 U.S.C. §112, second paragraph.

With respect to the term “high” in the limitation “high thermal conductivity”, claims 1-3 and 10-14 have been amended without the “high thermal conductivity” limitations.

With respect to the limitation “.....a first end *connecting to a heating element and an opposite second*” recited in claim 10, the amended claim 10 has removed the indefiniteness.

With respect to point 14 of the Office Action, claims 10-14 are rejected under 35 U.S.C. §112, second paragraph, as being incomplete for omitting essential elements. Claim 10 has been amended to remove the limitation “kept a distance from the stator assembly through magnetic interaction”, no more essential elements are thus necessary.

Accordingly, Applicant respectfully submits that the rejections under 35 U.S.C. §112 should be withdrawn.

Reconsideration and withdrawal of this rejection is respectfully requested.

Claim Rejection - 35 U.S.C. §102

With respect to point 16 of the Office Action, claims 1-3 and 10-14 are rejected under 35 U.S.C. §102(b) as being anticipated by Siemens AG (CH 516251).

Of the rejected claims, only claims 1 and 10 are independent.

The amended claim 1 recites a heat dissipation module comprising a fan and a heat sink. The fan has a shaft with a first end and an opposite second end. The first

end of the shaft penetrates a hub of the fan and connects to a heating element. The heat sink connects to the second end of the shaft. The shaft is a heat pipe. The fan is disposed between the heat sink and the heating element.

The amended claim 10 recites a heat dissipation module comprising a heat pipe, a stator assembly, a rotor and a heat sink. The heat pipe has a first end and an opposite second end, wherein the first end of the heat pipe is connected to a heating element. The stator assembly is fixed on the heat pipe. The rotor is rotatably connected to the heat pipe. The heat sink is connected to the second end of heat pipe.

However, Siemens AG fails to disclose all features as expressly recited in the amended claims 1 and 10. The Examiner is invited to Fig. 3 of Siemens AG, the feature "the first end of the heat pipe is connected to a heating element" is not disclosed because the middle (evaporative section 7) of the shaft (2) is connected to a heating element (the coils of rotor 3); the feature "the fan is disposed between the heat sink and the heating element" is not disclosed; and the feature "a rotor is rotatably connected to the heat pipe" is not disclosed because Fig. 3 is silent about this feature.

Since Siemens AG fails to disclose each and every limitation of the amended claims 1 and 10, Applicant respectfully submits that claims 1 and 10 and their dependent claims clearly define over the disclosures of Siemens AG. Accordingly, reconsideration and withdrawal of the rejections are respectfully requested.

New Claim

Claim 21 is believed patentable over the disclosures of Siemens AG because it recites the novel features of the amended claim 1, which has been discussed above.

All remaining dependent claims 22-25 add further limitations to above independent claims 1, 10 or 21, and are also novel and unobvious over the prior art of

record.


Conclusions

For all of the above reasons, applicant submits that the specification and claims are now in proper form, and that the claims define patentably over prior arts.

Therefore, applicant respectfully requests issuance for this case at the Office Action's earliest convenience.

Applicants believe that no fees are required in the filing of this Response. However, if it is determined that any fees are required, the Commissioner is authorized to charge such fees to our Deposit Account No. 50-0805 (Order No. JLINP174/TLC). Should the Examiner have any questions concerning this matter, the undersigned can be reached at the telephone number set out below.

Respectfully submitted,
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